Agriculture, Ecosystems and Environment, 41 (1992) 375–376
Elsevier Science Publishers B.V., Amsterdam

Contents of *Agriculture, Ecosystems and Environment*, Volume 41

Vol. 41 No. 1 June 1992

Irrigation practices, herbicide use and groundwater contamination in citrus production: a case study in California
C.H. Pickett, L.S. Hawkins (Sacramento, CA, USA), J.E. Pehrson (Exeter, CA, USA) and N.V. O'Connell (Visalia, CA, USA) 1
Immediate and long-term effects of fire and ash-fertilization on a Zambian miombo woodland soil
P. Strømgaard (Copenhagen K, Denmark) 19
A laboratory study of factors influencing methane uptake by soils
S.P. Nesbit and G.A. Breitenbeck (Baton Rouge, LA, USA) 39
Nutritional effects of *Eucalyptus* litter on the growth of maize (*Zea mays*)
N. Sanginga and M.J. Swift (Harare, Zimbabwe) 55

Book Reviews
Future of Biological Control 67
Pesticides 69
Mycorrhizae 70
Thesaurus of Agricultural Organisms 72
Theoretical Production Ecology 74
Managed Grasslands 75
Improvement of Tropical and Subtropical Rangelands 77
Desert Development 79
Agrochemicals 81
Agroforestry 84
Climate Change and Agriculture 86
Climate Change 89
Air Pollution 90
Terrestrial Ecosystems 92
Food and Natural Resources 93
The Rhizosphere 95
Rhizosphere Dynamics 96
Alternative Agriculture 98

Vol. 41 No. 2 July 1992

Special Issue: Application of ecological principles to sustainable land-use systems

Validity of rotation as an effective agroecological principle for a sustainable agriculture
F. Caporali (Viterbo, Italy) and A. Onnis (Pisa, Italy) 101
The role of plantation forests in rehabilitating degraded tropical ecosystems
J.A. Parrotta (San Juan, Puerto Rico) 115

Contribution of soil organisms to the sustainability and productivity of cropping systems in the tropics
N. Sanginga, K. Mulongoy and M.J. Swift (Ibadan, Nigeria) 135
Ecosystem processes and sustainable land use in New Zealand steeplands
P.M. Blaschke (Lower Hutt, New Zealand), N.A. Trustrum and R.C. DeRose (Palmerston North, New Zealand) 153
Architectural models, fractals and agroforestry design
R.A.A. Oldeman (Wageningen, Netherlands) 179
Are tropical agroforestry homegardens sustainable?
E. Torquebiau (Nairobi, Kenya) 189
Environmental unit: an arbitrary ecosystem for land evaluation
M.F. Makhdoum (Karaj, Iran) 209
Ecological resource management to achieve a productive, sustainable agricultural system in northeast China
D. Wen (Shenyang, People's Republic of China) and D. Pimentel (Ithaca, NY, USA) 215

Vol. 41 Nos. 3–4 September 1992

Sewage sludge effects on growth and nitrogen fixation of soybean
J.S. Angle, G.M. Madariaga and E.A. Heger (College Park, MD, USA) 231
Yield response of maize to fertilizers and manure under different agro-ecological conditions in Kenya
E.M.A. Smaling (Wageningen, Netherlands), S.M. Nandwa, H. Prestele, R. Roetter and F.N. Muchena (Nairobi, Kenya) 241
Lead tolerance of certain legume species grown on lead ore tailings
C. Sudhakar, L. Syamalabai and K. Veeranjaneyulu (Anantapur, India) 253
Responses of Auchenorhyncha (Homoptera) to fertiliser and liming treatments at Park Grass, Rothamsted
M.G. Morris (Wareham, UK) 263
Weed population dynamics under 'jhum' (slash and burn agriculture) and terrace cultivation in northeast India
J. Misra, H.N. Pandey, R.S. Tripathi and U.K. Sahoo (Shillong, India) 285
Pesticides and natural toxicants in foods
T.W. Culliney (Hamden, CT, USA), D. Pimentel and M.H. Pimentel (Ithaca, NY, USA) 297
Effects of different components of IPM in the management of the potato tuber moth, in storage
G.P. Das (Gazipur, Bangladesh), E.D. Magallona, C.B. Adalla (Laguna, Philippines) and K.V. Raman (Lima, Peru) 321
The impact of dimethoate on rhythms of three granivorous bird species
R. Brunet and A. Cyr (Sherbrooke, Que., Canada) 327
An analysis of factors associated with yields of climbing beans and Irish potatoes in the Northern Highlands of Rwanda
J.R. Burleigh, J.L. Regas (Chico, CA, USA), C.F. Yamoah (Fayetteville, AR, USA) and C. Mukaruziga (Kigali, Rwanda) 337
Survival and growth of peach trees and pest populations in orchard plots managed with experimental ground covers
J.R. Meyer, R.L. Meagher, S.K. Salvo (Raleigh, NC, USA) and E.I. Zehr (Clemson, SC, USA) 353

Book Reviews
Pesticides 365
Herbicide Resistance 367
Nitrogen Turnover in the Soil–Crop System 368
Dryland Agriculture 370
Vascular Wilt Disease 371